

SPLIT-BLADE DATA COLLECTION FOR PROPELLER MRI

Abstract

The present invention provides a system and method of MR imaging particularly applicable with fast spin echo protocols. Odd and even echoes are used to create separate blades or strips in k-space. Preferably, each blade extends through the center of k-space. The blades are incrementally rotated about the center of k-space with each echo train until a full set of k-space data is acquired. After a phase correction, each odd and even blade is combined into a single k-space data set that is used for image reconstruction.